(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



10/529850

(43) International Publication Date 22 April 2004 (22.04.2004)

PCT

(10) International Publication Number WO 2004/032975 A3

(51) International Patent Classification⁷:

A61K 51/04

(21) International Application Number:

PCT/US2003/031466

- (22) International Filing Date: 6 October 2003 (06.10.2003)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/415,824

4 October 2002 (04.10.2002) US

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations

[Continued on next page]

(54) Title: BIPHENYLS AND FLUORENES AS IMAGING AGENTS IN ALZHEIMER'S DISEASE

(57) Abstract: This invention relates to a method of imaging amyloid deposits and to labeled compounds, and methods of making labeled compounds useful in imaging amyloid deposits. This invention also relates to compounds, and methods of making compounds for inhibiting the aggregation of amyloid proteins to form amyloid deposits, and a method of delevering a therapeutic agent to amyloid deposits.

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 16 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Application No PCT 03/31466

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K51/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBASE, BIOSIS, COMPENDEX, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of t	ha anlan al	r	
·	onation of document, with indication, where appropriate, or t	Relevant to claim No.		
P,X	LEE C-W ET AL: "Dimethylaming ligands for detecting beta-amy in the brain" NUCLEAR MEDICINE AND BIOLOGY, SCIENCE PUBLISHERS, NEW YORK, vol. 30, no. 6, August 2003 (2 pages 573-580, XP004444175 ISSN: 0969-8051 the whole document	yloid plaques ELSEVIER NY. US.	1-9, 34-36	
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X Furthe	er documents are listed in the continuation of box C.	-/		
		Patent family members are listed in	annex.	
A" documen conside E" earlier do filing da' L" documen which is citation O" documen other me	t which may throw doubts on priority claim(s) or cited to establish the publication date of another or other special reason (as specified) at referring to an oral disclosure, use, exhibition or	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
ate of the ac	ctual completion of the international search	Date of mailing of the international search		
12	February 2004	0 2. 07. 2004		
ame and ma	tiling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3018	Authorized officer Winger, R		

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C.(Continua Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	
	with the relevant passages	Relevant to claim No.
	& BER. , 47, 672-81, 1914,	
K	DATABASE CHEMABS [Online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; VORLANDER, D.: "The doctrine of intramolecular oppositions and the	1-9, 34-36
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C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	KLUNK W E ET AL: "DEVELOPMENT OF SMALL MOLECULE PROBES FOR THE BETA-AMYLOID PROTEIN OF ALZHEIMER'S DISEASE" NEUROBIOLOGY OF AGING, TARRYTOWN, NY, US, vol. 15, no. 6, 1994, pages 691-698, XP000602786 ISSN: 0197-4580 figure 1	1-9, 34-36
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national application No. PCT/US 03/31466

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)
Box 1. Opservations where contain circuits acre locally guidenchiable (continuously of treat 1 of 11 of 21 sucer)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-9, 34-36 (partly)
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claim(s) may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claim(s) is impossible. Consequently, the search has been restricted to the compounds mentioned in the examples.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9, 34-36 (partly)

A compound of general formula I, compositions and uses thereof.

2. claims: 10-15, 34-36 (partly)

A compound of general formula II, compositions and uses thereof.

3. claims: 16-28, 34-36 (partly)

A compound of general formula III and a radioisotope complex, compositions and uses thereof.

4. claims: 29-30, 34-36 (partly)

A compound of general formula IV and a radioisotope complex, compositions and uses thereof.

5. claims: 31, 34-36 (partly)

A compound of general formula V, compositions and uses thereof.

6. claims: 32-33, 34-36 (partly)

A compound of general formula VI and a radioisotope complex, compositions and uses thereof.

Int pplication No PCT/ 03/31466

				PCT/===03/31466		
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